

## TERMS OF REFERENCE

### REVIEW OF THE UNDERGRADUATE AND POSTGRADUATE PROGRAMS IN CHEMICAL ENGINEERING OFFERED BY THE FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

The School of Chemical Engineering offers a range of undergraduate and postgraduate programs in Chemical Engineering as follows:

- Bachelor of Engineering (Chemical Engineering) – a four year program that provides for specialist streams in: Energy & Environment; Process & Product Engineering; and Food, Wine & Biomolecular.
- Bachelor of Engineering in Sustainable Energy Engineering (Chemical) – a four year program with a focus on sustainable and renewable energy.
- Bachelor of Engineering in Pharmaceutical Engineering – a four year program concerned with pharmaceutical process improvement.
- Master of Engineering in Chemical Engineering – a one year program suitable for engineering Honours graduates as well as engineers with relevant work experience.
- Master of Engineering (Advanced) in Chemical Engineering – a two year program that provides the option of studying at an advanced level and engage in a research project. The following specialisations are available: Energy & Combustion; Food & BioProcessing; and Environmental & Sustainability.
- Bachelor of Engineering (Chemical Engineering) double degrees in combination with either Economics, Finance, Mathematical and Computer Sciences, Science or Science (Biotechnology). A combined degree is also valuable with the Bachelor of Arts. Consideration of these programs is to be limited to matters associated with the Chemical Engineering components.

The review is to take place in the context of the University's [2008-2012 Strategic Plan, Building a Great Research University](#) and as part of the University's five-year program review cycle. In conducting the review, the Panel will take into account the views of current staff, students and external stakeholders, including employers, alumni, and representatives of relevant professions and other relevant academic areas of the University.

The Review Panel is asked to consider and make recommendations on:

1. The structure, content, quality and overall coherence of the programs;
2. The appropriateness and effectiveness of teaching methodologies to deliver the aims and objectives of the programs;
3. The destinations and outcomes for graduates who complete the program;
4. The student profile of the programs and future demand and growth opportunities; and
5. The programs' performance and outcomes, benchmarked against similar programs at Go8 universities or similar programs in other Australian universities and relevant international institutions.

In making its recommendations, the review panel should assume that there is unlikely to be an increase in the resources provided from internal University funds, but is invited to indicate the highest priorities for the use of extra resources should they be made available.